

Title (en)  
FINE TUNING METHOD OF A HF MODULATOR AND ARRANGEMENT FOR CARRYING IT OUT

Publication  
**EP 0285926 A3 19900321 (DE)**

Application  
**EP 88104806 A 19880325**

Priority  
DE 3711983 A 19870409

Abstract (en)  
[origin: EP0285926A2] Known methods or arrangements for tuning RF modulators operated in video recorders have the disadvantage that they are either too slow and inaccurate (manual tuning) or are too elaborate (PLL tuning) with respect to the technical implementation. Due to the novel method, the technical expenditure for an arrangement for carrying out the method is to remain as small as possible and, nevertheless, fast and accurate modulator tuning should be ensured. For this purpose, the output signal of the voltage-controlled oscillator belonging to the modulator is amplified via the tuner, which exists in the video recorder in any case, and subsequently its level is evaluated. Depending on the level of the amplified oscillator signal, a control signal is then formed which changes the tuning of the modulator until the level of the amplified oscillator signal reaches a peak. An application of the novel method is of advantage, in particular, in video recorders with automatically tunable tuners. <IMAGE>

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**H03C 3/09**

IPC 8 full level  
**H03C 3/09** (2006.01)

CPC (source: EP)  
**H03C 3/09** (2013.01)

Citation (search report)  
• [A] US 4334323 A 19820608 - MOORE FREDERIC J  
• [A] US 4500920 A 19850219 - OHYAMA TOHRU [JP], et al

Cited by  
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**EP 0285926 A2 19881012; EP 0285926 A3 19900321; DE 3711983 A1 19881027; DE 8817129 U1 19930304**

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